----- Forwarded by Doug Garbarini/R2/USEPA/US on 12/16/2010 09:05 AM -----

From:	"Gibson, Bob (GE, Corporate)" <bob.gibson@ge.com>
To:	Gary Klawinski/R2/USEPA/US@EPA
Cc:	David King/R2/USEPA/US@EPA, Benny Conetta/R2/USEPA/US@EPA, "Haggard, John (GE, Corporate)" <john.haggard@ge.com>, Doug Garbarini/R2/USEPA/US@EPA
Date:	09/01/2010 09:57 PM
Subject:	RE: EPA draft comments (for discussion purposes) on sediment sampling work plan

Gary,

Attached is the probability plot referenced in my earlier email.

Bob

From: Gibson, Bob (GE, Corporate)
Sent: Wednesday, September 01, 2010 8:35 PM
To: Klawinski.Gary@epamail.epa.gov
Cc: King.David@epamail.epa.gov; Conetta.Benny@epamail.epa.gov; john.haggard@ge.com; Garbarini.Doug@epamail.epa.gov
Subject: RE: EPA draft comments (for discussion purposes) on sediment sampling work plan

Gary,

Attached is some information related to our discussion from last Thursday and your comments on the work plan.

The methodology we used for the Re-Occupy of High Confidence Core Sample Locations is as follows:

1.   Select out the SSAP High Confidence cores within CUs 9-16, and 19-30.
2.   Create sample bins based on natural breaks in DoC (0-6",6-12",12-18",18-24",24-30", and >30").
3.   Obtain total count of high confidence cores (10% or 20% count is based on this total).
4.   Filter out SSAP co-located cores and their parent cores from the potential re-sample pool – will not propose re-sampling at location that have co-locates or locations within 5 ft of each other
5.   Calculate % of total samples contained within each DoC bin
6.   Use random number generator to select random sample for each bin, select amount of samples from each bin to reflect % in #5
7.   Adjust samples to spatially distribute cores more evenly, if necessary
8.   Attached is a map showing the original 10% in the WP, and the additional 10% to get us up to 20%
       9.   Also attached is a probability plot showing the distribution of DoCs of the full sample

set (i.e., all high confidence SSAP cores in these CUs) overlain with the distribution of DoCs for the selected samples.

The excel table details the 21 abandoned and grab locations not targeted for sampling in the current draft work plan. After reviewing the locations, I've highlighted three cores that are likely candidates for an alternative sampling methods.

We are going to want approval of the final sampling locations shown in the attached figures as part of the work plan approval. I'd like to meet with you tomorrow to review your draft comments and our responses. Let me know what time would work best for you.

Thanks,
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From: Klawinski.Gary@epamail.epa.gov [mailto:Klawinski.Gary@epamail.epa.gov]
Sent: Tuesday, August 31, 2010 10:14 PM
To: Gibson, Bob (GE, Corporate)
Cc: King.David@epamail.epa.gov; Conetta.Benny@epamail.epa.gov
Subject: EPA draft comments (for discussion purposes) on sediment sampling work plan

Bob

Attached are our draft comments. We are available tomorrow morning before our 10:00 meeting to discuss as needed.

Thanks,

Gary

High_Conf_DOC_10_and_20per_probplot201008271552_noPC.PDF